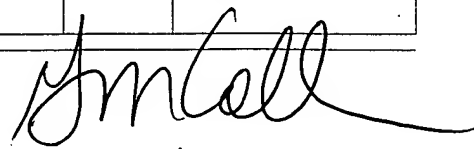


Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	((("6729398") or ("6527052") or ("6325146")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/05 08:20
S2	1	"6281489".PN.	USPAT	OR	OFF	2004/09/09 13:49
S3	116	(166/250.17).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/09 13:58
S4	6	"6325146".URPN.	USPAT	OR	ON	2004/09/09 14:03
S5	23	("2169559"   "2945952"   "3437138"   "3923099"   "4043129"   "4112745"   "4210025"   "4787447"   "4878538"   "4883123"   "5335732"   "5456322"   "5484018"   "5497832"   "5540280"   "5590715"   "5671811"   "5725059"   "5799733"   "5803178"   "6047781"   "6085851"   "6325146").PN.	USPAT	OR	ON	2004/09/09 14:05
S6	17	("2169559"   "2945952"   "3437138"   "3923099"   "4043129"   "4112745"   "4210025"   "4787447"   "4878538"   "4883123"   "5335732"   "5456322"   "5484018"   "5497832"   "5540280"   "5799733"   "5803178").PN.	USPAT	OR	ON	2004/09/09 14:09
S7	19	("2169559"   "2945952"   "3437138"   "3923099"   "4006630"   "4043129"   "4112745"   "4210025"   "4787447"   "4878538"   "4883123"   "5335732"   "5337821"   "5456322"   "5484018"   "5497832"   "5540280"   "5799733"   "5803178").PN.	USPAT	OR	ON	2004/09/09 14:20
S8	1	"6446720".URPN.	USPAT	OR	ON	2004/09/09 14:24
S9	1	("6325146").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/09 14:36
S10	6	"6325146".URPN.	USPAT	OR	ON	2004/09/09 14:24
S11	71	(16/264).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/09 14:36
S12	71	((16/264).CCLS.) not ((166/250. 17).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/09/09 14:36
S13	430	(166/264).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/28 09:33
S14	407	((166/264).CCLS.) not ((166/250. 17).CCLS.)	US-PGPUB; USPAT	OR	ON	2004/09/09 15:18



S15	223	(166/113).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/20 07:55
S16	207	((166/113).CCLS.) not (((166/264). CCLS.) ((166/250.17).CCLS.))	US-PGPUB; USPAT	OR	ON	2004/09/09 15:20
S17	191	(166/169).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/09 15:20
S18	159	((166/169).CCLS.) not (((166/264). CCLS.) ((166/250.17).CCLS.))	US-PGPUB; USPAT	OR	ON	2004/09/09 15:25
S19	652	(166/297).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/09 15:26
S20	637	((166/297).CCLS.) not (((166/169). CCLS.) ((166/264).CCLS.) ((166/250.17).CCLS.))	US-PGPUB; USPAT	OR	ON	2004/09/09 15:26
S21	24	("2013995"   "2702474"   "3412607"   "3611799"   "3743014"   "3762219"   "3981188"   "4046006"   "4392377"   "4458245"   "4635717"   "4878538"   "5065619"   "5097902"   "5332035"   "5353637"   "5791414"   "5808192"   "5826662"   "5887652"   "6058772"   "6062073"   "6325146"   "6328103").PN.	USPAT	OR	ON	2004/09/10 07:37
S22	3	riggenberg.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 07:55
S23	3	riggenberg\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 07:56
S24	88	ringgenberg\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:40
S25	19	("2169559"   "2945952"   "3437138"   "3923099"   "4006630"   "4043129"   "4112745"   "4210025"   "4787447"   "4878538"   "4883123"   "5335732"   "5337821"   "5456322"   "5484018"   "5497832"   "5540280"   "5799733"   "5803178").PN.	USPAT	OR	ON	2004/09/20 08:13
S26	19	("2169559"   "2945952"   "3437138"   "3923099"   "4006630"   "4043129"   "4112745"   "4210025"   "4787447"   "4878538"   "4883123"   "5335732"   "5337821"   "5456322"   "5484018"   "5497832"   "5540280"   "5799733"   "5803178").PN.	USPAT	OR	ON	2004/09/20 08:13
S27	1	"6446720".URPN.	USPAT	OR	ON	2004/09/20 08:23

S28	47	proett\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:40
S29	35	proett\$.in. not ringgenberg\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:43
S30	0	"PELLETIER-michael\$.in"	US-PGPUB; USPAT	OR	ON	2004/09/20 08:44
S31	0	PELLETIERI\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:43
S32	590	PELLETIER\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:43
S33	30	PELLETIER-michael\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:44
S34	9	PELLETIER-michael\$.in. not (ringgenberg\$.in. proett\$.in.)	US-PGPUB; USPAT	OR	ON	2004/09/20 08:45
S35	308	hinz.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:44
S36	14	hinz-michael\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:45
S37	2	hinz-michael\$.in. not (ringgenberg\$.in. proett\$.in.)	US-PGPUB; USPAT	OR	ON	2004/09/20 08:48
S38	0	gregory-gilbert\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:46
S39	27	gilbert-gregory\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:46
S40	13	gilbert-gregory\$.in. not (ringgenberg\$.in. proett\$.in.)	US-PGPUB; USPAT	OR	ON	2004/09/20 08:48
S41	18	nivens-harold\$.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:48
S42	6	nivens-harold\$.in. not (ringgenberg\$.in. proett\$.in.)	US-PGPUB; USPAT	OR	ON	2004/09/20 08:50
S43	12	azari-mehdi.in.	US-PGPUB; USPAT	OR	ON	2004/09/20 08:50
S44	0	azari-mehdi.in. not (ringgenberg\$. in. proett\$.in.)	US-PGPUB; USPAT	OR	ON	2004/09/20 08:50
S45	1	("3111169").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/28 07:48
S46	1	("6446720").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/28 07:48

S47	19	("2169559"   "2945952"   "3437138"   "3923099"   "4006630"   "4043129"   "4112745"   "4210025"   "4787447"   "4878538"   "4883123"   "5335732"   "5337821"   "5456322"   "5484018"   "5497832"   "5540280"   "5799733"   "5803178").PN.	USPAT	OR	ON	2004/09/28 07:48
S48	1	"6446720".URPN.	USPAT	OR	ON	2004/09/28 07:54
S49	1	("5540280").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/28 12:38
S50	62	("1899497"   "2125159"   "2222829"   "2280785"   "2392683"   "2497185"   "2677790"   "2702474"   "2751016"   "3103811"   "3107729"   "3111169"   "3175392"   "3182725"   "3279249"   "3327781"   "3353612"   "3412607"   "3441095"   "3448611"   "3459264"   "3500911"   "3577781"   "3577783"   "3611799"   "3780575"   "3850240"   "3864970"   "3876003"   "3895520"   "3969937"   "4031957"   "4043407"   "4230180"   "4246964"   "4287946"   "4313495"   "4339948"   "4370886"   "4392376"   "4498536"   "4535843"   "4566535"   "4573532"   "4580632"   "4583595"   "4635717"   "4729430"   "4745802"   "4790378"   "4838349"   "4860580"   "4866607"   "4898236"   "4936139"   "4955438"   "4962815"   "5058674"   "5095745"   "5105881"   "5184508"   "5287741").PN.	USPAT	OR	ON	2004/09/28 09:33
S51	29	"5540280".URPN.	USPAT	OR	ON	2004/09/28 09:38
S52	1	("5799733").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/28 12:38

S53	37	("3111169"   "3195633"   "3294170"   "3305014"   "3611799"   "4009756"   "4296810"   "4434854"   "4509604"   "4535843"   "4560000"   "4583595"   "4597439"   "4633945"   "4742459"   "4745802"   "4766957"   "4770243"   "4803873"   "4856585"   "4860581"   "5006046"   "5065619"   "5170844"   "5337821"   "5348420"   "5353870"   "5361839"   "5425416"   "5540280"   "5555945"   "5655605"   "5762149"   "5799733"   "5803186"   "5826662"   "5887652").PN.	USPAT	OR	ON	2004/09/28 13:05
S54	37	("3111169"   "3195633"   "3294170"   "3305014"   "3611799"   "4009756"   "4296810"   "4434854"   "4509604"   "4535843"   "4560000"   "4583595"   "4597439"   "4633945"   "4742459"   "4745802"   "4766957"   "4770243"   "4803873"   "4856585"   "4860581"   "5006046"   "5065619"   "5170844"   "5337821"   "5348420"   "5353870"   "5361839"   "5425416"   "5540280"   "5555945"   "5655605"   "5762149"   "5799733"   "5803186"   "5826662"   "5887652").PN.	USPAT	OR	ON	2004/09/28 13:05
S55	0	"6347666".URPN.	USPAT	OR	ON	2004/09/28 13:07
S56	36	langseth.in.	US-PGPUB; USPAT	OR	ON	2004/09/28 13:34
S57	38	("3111169"   "3195633"   "3294170"   "3305014"   "3611799"   "4009756"   "4210018"   "4296810"   "4434854"   "4509604"   "4535843"   "4560000"   "4583595"   "4597439"   "4633945"   "4742459"   "4745802"   "4766957"   "4770243"   "4803873"   "4856585"   "4860581"   "5006046"   "5065619"   "5170844"   "5337821"   "5348420"   "5353870"   "5361839"   "5425416"   "5540280"   "5555945"   "5655605"   "5762149"   "5799733"   "5803186"   "5826662"   "5887652").PN.	USPAT	OR	ON	2004/09/28 13:09
S58	948	(166/250.17,264,250.01).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/28 13:41

S59	0	("1andfiberadjoptic\$3").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/28 13:41
S60	86925	fiber adj optic\$3	US-PGPUB; USPAT	OR	ON	2004/09/28 13:42
S61	98	((166/250.17,264,250.01).CCLS.) and (fiber adj optic\$3)	US-PGPUB; USPAT	OR	ON	2004/09/28 13:57
S62	1	("6173772").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/28 13:57
S63	70	((166/250.17,264,250.01).CCLS.) and choke	US-PGPUB; USPAT	OR	ON	2004/09/28 14:07
S64	1	("4662391").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/28 14:07
S65	5	"762594".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 07:15
S66	4	(("5,799,733") or ("5,490,564") or ("4,856,585") or ("4,915,168") or ("RE32.755")).PN.	US-PGPUB; USPAT	OR	OFF	2005/03/18 07:15
S67	3	riggenberg.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 20:49
S68	100	ringgenberg.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 20:52
S69	114	(166/328-329).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/19 21:04
S70	121	(166/250.17).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/19 21:17
S71	443	(166/264).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/19 21:17
S72	100	S71 and check with valve	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:18
S73	24	S71 and check with valve with ball	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:24
S74	27	S71 and check with ball	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:24
S75	3	S74 not S73	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:26
S76	3052	test\$3 and ball with check	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:42

S77	319	S76 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:36
S78	245	S77 and formation	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:26
S79	257	test\$3 same formation and ball with check	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:28
S80	145	S79 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:28
S81	135	S80 not S71	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:28
S82	148	test\$3 with formation and ball with check	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:28
S83	98	S82 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:42
S84	88	S83 not S71	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:29
S85	87	S77 and sampl\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:37
S86	19	S85 not (S83 S71)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:37
S87	8430	sampl\$3 and check with valve	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:48
S88	589	S87 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:48
S89	1	("5799733").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/19 21:45
S90	683	sampler and check with valve	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:52
S91	165	S90 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:52
S92	89	S91 not (S85 S83 S71 S70)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:52

S93	859	tester and check with valve	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:52
S94	243	S93 and "166"/\$.cccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:52
S95	728	S93 not (S91 S85 S83 S71 S70)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 21:52
S96	112	S94 not (S91 S85 S83 S71 S70)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/19 22:11
S97	1	("5799733").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/19 23:14
S98	1	("2327610").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/19 23:14
S99	139	("1899497"   "2125159"   "2222829"   "2280785"   "2392683"   "2497185"   "2677790"   "2702474"   "2751016"   "2819038"   "2978046"   "3103811"   "3107729"   "3111169"   "3182725"   "3279249"   "3327781"   "3353612"   "3412607"   "3441095"   "3448611"   "3459264"   "3500911"   "3577781"   "3577783"   "3611799"   "3780575"   "3850240"   "3859851"   "3864970"   "3876003"   "3895520"   "3964556"   "3969937"   "4031957"   "4043407"   "4142594"   "4230180"   "4246964"   "4287946"   "4313495"   "4317490"   "4339948"   "4370886"   "4392376"   "4498536"   "4535843"   "4550392"   "4566535"   "4573532"   "4580632"   "4583595"   "4589485"   "4597439"   "4635717"   "4729430"   "4745802"   "4787447"   "4790378"   "4818197"   "4838349"   "4856585"   "4860580"   "4866607"   "4898236"   "4903765"   "4936139"   "4955438"   "4962815"   "5008664"   "5058674"   "5095745"   "5097902"   "5105881"   "5184508"   "5220829"   "5240072"   "5287741"   "5329811"   "5337821"   "5343963"   "5353875"   "5361839"   "5368100"   "5540280"   "5555945").PN. OR ("5799733"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 01:11



S10 0	220	plug with sampler	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 01:11
S10 1	33	S100 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/20 01:12
S10 2	800	(166/297).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/20 02:09
S10 3	920	(166/264,250.17,113,169).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/05 07:11
S10 4	232	S103 and plug	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 07:11
S10 5	62	S104 and tester	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 07:11
S10 6	1	("5687791").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/05 07:57
S10 7	14	("4936139"   "5303775"   "5329811"   "5337821"   "5377755"   "5473939").PN. OR ("5687791"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 07:57
S10 8	1	("5687791").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/05 08:42
S10 9	1	("4573532").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/05 08:53
S11 0	2	("1896492").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/05 09:07
S11 1	0	("timeadjdelaywithvalve").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/05 09:07
S11 2	8368	time adj delay with valve	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 10:41
S11 3	165	S112 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 10:41
S11 4	2818	time adj delay with valve same electric\$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 10:43
S11 5	33	S114 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 10:44

S11 6	1209	time adj delay with valve with electric\$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 10:43
S11 7	17	S116 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 10:46
S11 8	27	"5058674"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/05 10:46
S11 9	1	("5058674").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/05 10:46
S12 0	1	("4573532").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/05 11:18
S12 1	1	("5687791").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/26 09:27
S12 2	1	("5799733").PN.	US-PGPUB; USPAT	OR	OFF	2005/10/26 09:27

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13	((test\$3 sampl\$3) and zone and fluid and first and second and plug).clm.	US-PGPUB	OR	ON	2005/10/27 08:29
L2	0	((test\$3 sampl\$3) and fomation and fluid and first and second and plug).clm.	US-PGPUB	OR	ON	2005/10/27 08:29
L3	471	((test\$3 sampl\$3) and first and second and plug).clm.	US-PGPUB	OR	ON	2005/10/27 08:29
L4	36	((test\$3 sampl\$3) and formation and plug).clm.	US-PGPUB	OR	ON	2005/10/27 08:30

*McCell*